133	testing and commissioning of 11kV Load Break Switch with 4 wire- (with ... cubicle and connected accessories, hardware's etc. suitable for outdoor ... as per latest IS standard technical specification. LBS should be approved by ... ...: 11KV, 3PH, 50HZ, Fault level: 350 MVA. Installation : OUTDOOR. a.Onload AIR BREAK switch with fuse trip mechanism.,3P,400A, 12KV,18.4 KA, 350MVA - 1 no b.11KV HRC Fuses with triping striker pin suitable Amps - 3nos c.Aluminium busbar, suitable rating 3 Phase,Air insulated with heat shrinkable sleevs - 1set d.Earth 25X3 mm Tin coated copper busbar - 1set e.Busbar supports resin cast with 33KV die electric and mechanical strength - 1 set directions of the Engineer-In-charge of the work	Each	1.00			0.00	319987.00	0.00	0.00	0.00
134	Caution/Danger Board as per Drawing No. BESCOM/GM/CP/40/Dt: 24.10.07 directions of the Engineer-In-charge of the work	Nos	2.00			0.00	163.00	0.00	0.00	0.00
135	GI Pipes B - Class GI Pipe - 150 mm Dia Dia 768058 directions of the Engineer-In-charge of the work	m	10.00			0.00	1144.00	0.00	0.00	0.00
136	TRANSFORMER:- Supplying, erecting, testing and commissioning of ..... KVA capacity Copper wound Distribution Transformer 11KV/433V with Off Load Tap Switch, Buchholtz relay winding temperature indicator, oil temperature indicator, marshalling box with wiring, magnetic oil level indicator with +5% to-10% Steps of 2.5% with HT and LT cable end boxes including all standard accessories as per latest IS standard technical specification. 8.10.2) 100 KVA directions of the Engineer-In-charge of the work	Each	1.00			0.00	328700.00	0.00	0.00	0.00
137	LT KIOSK:- LT Distribution Box for 63/100 KVA Transformer with 1No 160Amps 25kA 4Pole MCCB, suitable capacity aluminum bus bar mounted in 16SWG powder coated M.S.Box suitable to mount at Transformer Centre directions of the Engineer-In-charge of the work	Set	1.00			0.00	18270.00	0.00	0.00	0.00
138	B. EARTHING SYSTEM Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia directions of the Engineer-In-charge of the work	Each	6.00			0.00	2727.00	0.00	0.00	0.00
139	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. directions of the Engineer-In-charge of the work	Each	8.00			0.00	4317.00	0.00	0.00	0.00
140	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required. 25x3mm Copper strip directions of the Engineer-In-charge of the work	m	17.00			0.00	523.00	0.00	0.00	0.00
141	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required. 25x6mm Copper strip directions of the Engineer-In-charge of the work	m	12.00			0.00	1018.00	0.00	0.00	0.00
142	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required.600x600x3mm plate directions of the Engineer-In-charge of the work	m	4.00			0.00	7148.00	0.00	0.00	0.00
143	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required. 25x3mm GI strip directions of the Engineer-In-charge of the work	m	109.00			0.00	77.00	0.00	0.00	0.00
144	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required. 40x6mm GI strip directions of the Engineer-In-charge of the work	m	20.00			0.00	166.00	0.00	0.00	0.00

	...ing of GI strips for grounding connections, using necessary fixing ...ed. 600x600x3mm GI Plate directions of the Engineer-In-charge of the	m	4.00			0.00	784.00	0.00	0.00	0.00
	...ing and running GI/Copper conductor for grounding and (along with other wires in ...system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI ...wire ...SWG directions of the Engineer-In-charge of the work	m	35.00			0.00	19.50	0.00	0.00	0.00
147	PART C:-L.T. Panel boards and distribution boards 1.0) Main LT Panel "Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 6.40.1) 14SWG" directions of the Engineer-In-charge of the work	Sqcm	173440.00			0.00	0.37	0.00	0.00	0.00
148	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 6.39.5) 75x150x75x6mm C channel directions of the Engineer-In-charge of the work	m	5.00			0.00	791.00	0.00	0.00	0.00
149	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE 200Amps 35kA.(Incoming) directions of the Engineer-In-charge of the work	Nos	1.00			0.00	14592.00	0.00	0.00	0.00
150	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE125-160Amps 25kA.(Outgoing) directions of the Engineer-In-charge of the work	Nos	3.00			0.00	7372.00	0.00	0.00	0.00
151	Supplying and fixing of Shunt trip suitable for MCCB.CBCT. directions of the Engineer-In-charge of the work	Nos	4.00			0.00	1486.00	0.00	0.00	0.00
152	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP directions of the Engineer-In-charge of the work	Nos	3.00			0.00	418.00	0.00	0.00	0.00
153	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16. 5-32Amps TPN (Outgoing) directions of the Engineer-In-charge of the work	Nos	6.00			0.00	1547.00	0.00	0.00	0.00
154	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C. directions of the Engineer-In-charge of the work	Nos	3.00			0.00	442.00	0.00	0.00	0.00
155	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board. directions of the Engineer-In-charge of the work	Each	1.00			0.00	390.00	0.00	0.00	0.00
156	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter. directions of the Engineer-In-charge of the work	Each	1.00			0.00	190.00	0.00	0.00	0.00
157	Supplying, fixing and wiring 0 to 1500amps CT operated AC analog type Ammeter without CT directions of the Engineer-In-charge of the work	Each	1.00			0.00	415.00	0.00	0.00	0.00
158	Supplying, fixing and wiring rotary selector switch suitable for Ammeter. directions of the Engineer-In-charge of the work	Each	1.00			0.00	172.00	0.00	0.00	0.00
159	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy. directions of the Engineer-In-charge of the work	Each	1.00			0.00	8003.00	0.00	0.00	0.00

	...g and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 ... Tape Wound. directions of the Engineer-In-charge of the work	Each	3.00			0.00	483.00	0.00	0.00	0.00
	...g. fixing and wiring earth leakage relay with core balanced current transformer ... for single phase 50 Hz AC with latest microcontroller based, digital readout of ...entage leakage current, programmable delay/auto/manual reset facility suitable to ...ount on DIN rail/ flush mounting on panel board. directions of the Engineer-In-charge of the work	Each	1.00			0.00	7998.00	0.00	0.00	0.00
162	Supplying amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 6.38.2) 250Amps 4x30x10mm Aluminum Strips directions of the Engineer-In-charge of the work	m	3.00			0.00	2942.00	0.00	0.00	0.00
163	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.6.12.1) 25Amps directions of the Engineer-In-charge of the work	Each	4.00			0.00	1303.00	0.00	0.00	0.00
164	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machinery. directions of the Engineer-In-charge of the work	Nos	20.00			0.00	414.00	0.00	0.00	0.00
165	Supplying, fixing and wiring Automatic Power Factor controller fully, static units controlled by 14 stage microprocessor operation, relays LED display, self programming function for power stages and operating logic checking facility for healthy and efficient of each individual capacitor bank, measurement of network harmonics with indication when limit values are exceeded, Comprehensive displays with large, three place LED display, Long term memory for settings, protection for over voltage, power factor correction fault and no voltage, to connect / disconnect banks, with automatic recognition or with standard programs. directions of the Engineer-In-charge of the work	Each	1.00			0.00	18660.00	0.00	0.00	0.00
166	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 6.39.5) 75x150x75x6mm C channel directions of the Engineer	m	5.00			0.00	791.00	0.00	0.00	0.00
167	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP directions of the Engineer-In-charge of the work	Each	3.00			0.00	418.00	0.00	0.00	0.00
168	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-63 Amps TPN (Outgoing) directions of the Engineer-In-charge of the work	Each	6.00			0.00	1936.00	0.00	0.00	0.00
169	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C. directions of the Engineer-In-charge of the work	Each	3.00			0.00	442.00	0.00	0.00	0.00
170	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board. directions of the Engineer-In-charge of the work	Each	1.00			0.00	390.00	0.00	0.00	0.00
171	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter. directions of the Engineer-In-charge of the work	Each	1.00			0.00	140.00	0.00	0.00	0.00
172	Supplying, fixing and wiring 0 to 1500amps CT operated AC analog type Ammeter without CT directions of the Engineer-In-charge of the work	Each	1.00			0.00	415.00	0.00	0.00	0.00
173	Supplying, fixing and wiring rotary selector switch suitable for Ammeter. directions of the Engineer-In-charge of the work	Each	1.00			0.00	172.00	0.00	0.00	0.00
174	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound. directions of the Engineer-In-charge of the work	Each	3.00			0.00	483.00	0.00	0.00	0.00
175	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy. directions of the Engineer-In-charge of the work	Each	1.00			0.00	8003.00	0.00	0.00	0.00

	...matic star-delta starter unit push button type with suitable wires, 3 ... adjustable thermal timer mounted on a common base plate held in steel ... for use on 400/440 volts 3 phase and wired after fixing to the existing wooden ... motor. ...) Upto 12.5 HP directions of the Engineer-In-charge of the work	Each	4.00			0.00	6583.00	0.00	0.00	0.00
177	...supplying amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 6.38.2) 250Amps 4x30x10mm Aluminum Strips directions of the Engineer-In-charge of the work	m	5.00			0.00	2942.00	0.00	0.00	0.00
178	3.0) MCB Distribution Boards Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door 6.17.7) 4Way TP &N directions of the Engineer-In-charge of the work	Each	3.00			0.00	2399.00	0.00	0.00	0.00
179	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32 Amps TPN directions of the Engineer-In-charge of the work	Each	3.00			0.00	1547.00	0.00	0.00	0.00
180	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32 Amps SP directions of the Engineer-In-charge of the work	Each	36.00			0.00	418.00	0.00	0.00	0.00
181	PART D:-SUBMAINS CIRCUIT MAINS/POWER WIRING Open Conduit System Supplying heavy gauge PVC conduit pipe .dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 19/20mm dia 2mm thick directions of the Engineer-In-charge of the work	m	469.00			0.00	54.00	0.00	0.00	0.00
182	Open Conduit System Supplying heavy gauge PVC conduit pipedia .mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 25mm dia 2mm thick directions of the Engineer-In-charge of the work	m	282.00			0.00	70.00	0.00	0.00	0.00
183	Open Conduit System Supplying heavy gauge PVC conduit pipe dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 32mm dia 2.5mm thick directions of the Engineer-In-charge of the work	m	162.00			0.00	100.00	0.00	0.00	0.00
184	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia .mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick directions of the Engineer-In-charge of the work	m	408.00			0.00	43.00	0.00	0.00	0.00
185	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary25mm dia 2mm thick directions of the Engineer-In-charge of the work	m	1453.00			16.00	57.00	912.00	16.00	912.00

	System Supplying heavy gauge PVC conduit pipe mm dia mm thick with suitable size bends, metal/PVC junction boxes, adhesive paste before concreting the slab. The conduit should be tied to the reinforcement using binding wires and unused ways of junction boxes and pipe ends should be using PVC end enclosures, run with 18SWG GI fish wire wherever necessary32mm mm thick directions of the Engineer-In-charge of the work	m	282.00			0.00	90.00	0.00	0.00	0.00
187	Groove cutting:- Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe.dia .mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20mm dia 2mm thick directions of the Engineer-In-charge of the work	m	10.00			0.00	56.00	0.00	0.00	0.00
188	Groove cutting:- Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe .dia.mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25mm dia 2mm thick directions of the Engineer-In-charge of the work	m	750.00			0.00	58.00	0.00	0.00	0.00
189	Groove cutting:- Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe .dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.32mm dia 2.5mm thick directions of the Engineer-In-charge of the work	m	400.00			0.00	88.00	0.00	0.00	0.00
190	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Short point upto 3Mtr from tapping point to out let via switch directions of the Engineer-In-charge of the work	Point	13.00			0.00	174.00	0.00	0.00	0.00
191	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch directions of the Engineer-In-charge of the work	Point	24.00			0.00	245.00	0.00	0.00	0.00
192	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch directions of the Engineer-In-charge of the work	Point	172.00			0.00	363.00	0.00	0.00	0.00
193	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches directions of the Engineer-In-charge of the work	Point	8.00			0.00	482.00	0.00	0.00	0.00

	wiring adopting loop system in existing PVC Conduit / casing capping using ...de, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm ...confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on ...existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches directions of the Engineer-In-charge of the work	Point	2.00			0.00	682.00	0.00	0.00	0.00
195	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm. directions of the Engineer-In-charge of the work	m	2000.00			0.00	18.50	0.00	0.00	0.00
196	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5 sqmm directions of the Engineer-In-charge of the work	m	5000.00			0.00	29.20	0.00	0.00	0.00
197	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.4 sqmm directions of the Engineer-In-charge of the work	m	1200.00			0.00	42.30	0.00	0.00	0.00
198	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete. 1-3Way directions of the Engineer-In-charge of the work	Each	5.00			0.00	83.00	0.00	0.00	0.00
199	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.4-5Way directions of the Engineer-In-charge of the work	Each	2.00			0.00	102.00	0.00	0.00	0.00
200	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.6Way directions of the Engineer-In-charge of the work	Each	11.00			0.00	133.00	0.00	0.00	0.00
201	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete. 10-12Way directions of the Engineer-In-charge of the work	Each	11.00			0.00	152.00	0.00	0.00	0.00
202	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module directions of the Engineer-In-charge of the work	Each	5.00			0.00	109.00	0.00	0.00	0.00
203	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.4 Module directions of the Engineer-In-charge of the work	Each	2.00			0.00	122.00	0.00	0.00	0.00
204	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.6 Module directions of the Engineer-In-charge of the work	Each	9.00			0.00	173.00	0.00	0.00	0.00
205	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.8 Module directions of the Engineer-In-charge of the work	Each	2.00			0.00	200.00	0.00	0.00	0.00
206	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.10 Module directions of the Engineer-In-charge of the work	Each	5.00			0.00	227.00	0.00	0.00	0.00
207	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.12 Module directions of the Engineer-In-charge of the work	Each	6.00			0.00	267.00	0.00	0.00	0.00

	...ing of modular switch/ Socket/stepped electronic fan regulator/ ...one socket etc on existing modular switch plate as per IS 3854 and IS 1293 ...Amps 3way socket. directions of the Engineer-In-charge of the work	Each	86.00			0.00	95.00	0.00	0.00	0.00
	...g and fixing of modular switch/ Socket/stepped electronic fan regulator/ ...telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 ...UP A 1000-1200Watts Dimmer directions of the Engineer-In-charge of the work	Each	15.00			0.00	539.00	0.00	0.00	0.00
210	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 16Amps one way switch directions of the Engineer-In-charge of the work	Each	15.00			0.00	114.00	0.00	0.00	0.00
211	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 32Amps DP switch directions of the Engineer-In-charge of the work	Each	13.00			0.00	164.00	0.00	0.00	0.00
212	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A TV/Telephone socket directions of the Engineer-In-charge of the work	Each	14.00			0.00	82.00	0.00	0.00	0.00
213	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6/16Amps universal socket directions of the Engineer-In-charge of the work	Each	13.00			0.00	147.00	0.00	0.00	0.00
214	PART E:-Light Fixtures and Fan Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 2x4'-28Watts directions of the Engineer-In-charge of the work	Each	24.00			0.00	1680.00	0.00	0.00	0.00
215	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 1x4'-28Watts directions of the Engineer-In-charge of the work	Each	76.00			0.00	990.00	0.00	0.00	0.00
216	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. Using necessary length of G.I. chain directions of the Engineer-In-charge of the work	Each	24.00			0.00	210.00	0.00	0.00	0.00
217	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. On wall / ceiling / Rafter / Girders directions of the Engineer-In-charge of the work	Each	76.00			0.00	98.00	0.00	0.00	0.00
218	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. directions of the Engineer-In-charge of the work	Each	52.00			0.00	176.00	0.00	0.00	0.00
219	Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply directions of the Engineer-In-charge of the work	Each	4.00			0.00	648.00	0.00	0.00	0.00
220	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm) 9.3.2.1) Regular model directions of the Engineer-In-charge of the work	Each	15.00			0.00	2418.00	0.00	0.00	0.00
221	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired. directions of the Engineer-In-charge of the work	Each	15.00			0.00	237.00	0.00	0.00	0.00
222	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 9.2.1)12" Sweep (300mm) directions of the Engineer-In-charge of the work	Each	5.00			0.00	3654.00	0.00	0.00	0.00

	fan after making a suitable nitch in the wall and finishing with cement ...ing to match the existing wall or brackets, with bolts and nuts and a 5 ... with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of ...ake with wire mesh and wooden frame. directions of the Engineer-In-charge of	Each	5.00			0.00	680.00	0.00	0.00	0.00
	... CABLE AND CABLE END TERMINATION									
224	...CABLES ...Cable GROUP A: Supplying and laying of high tension 11KV cable, Dry Curing & Dry ...cooling with true triple extrusion, simultaneously through a single common head, 3 core under ground XLPE (E) cable having stranded compact circular aluminium conductor, screened insulated, insulation screened with extruded semiconducting compound in combination with copper tape, core laid up extruded inner sheathed of GI flat strip armoured and overall PVC sheathed with specified IS 7098/11/85 with latest amendments & confirming to the GTP of GROUP-A 8.3.1) 3Cx95 sqmm directions of the Engineer-In-charge of the work	m	59.00			0.00	1040.00	0.00	0.00	0.00
225	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.2) In soil (hard) directions of the Engineer-In-charge of the work	m	40.00			0.00	106.00	0.00	0.00	0.00
226	LT CABLES Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 10 sqmm directions of the Engineer-In-charge of the work	m	98.00			0.00	118.80	0.00	0.00	0.00
227	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 185 sqmm directions of the Engineer-In-charge of the work	m	53.00			0.00	816.00	0.00	0.00	0.00
228	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 120 sqmm directions of the Engineer-In-charge of the work	m	86.00			0.00	556.80	0.00	0.00	0.00
229	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 70 sqmm directions of the Engineer-In-charge of the work	m	35.00			0.00	270.00	0.00	0.00	0.00
230	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 25 sqmm directions of the Engineer-In-charge of the work	m	23.00			0.00	165.50	0.00	0.00	0.00
231	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm directions of the Engineer-In-charge of the work	m	98.00			0.00	31.00	0.00	0.00	0.00
232	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 25 sqmm to 75 sqmm directions of the Engineer-In-charge of the work	m	58.00			0.00	34.80	0.00	0.00	0.00
233	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 95 sqmm to 150Sqmm directions of the Engineer-In-charge of the work	m	86.00			0.00	42.40	0.00	0.00	0.00
234	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 185sqmm to 240Sqmm directions of the Engineer-In-charge of the work	m	53.00			0.00	44.50	0.00	0.00	0.00

	...INATION ...g 11KV (E) Extruded "X" linked for tubing & moulded & cross-linked ...g Heat Shrink Stress Control tube having High Permittivity XLPE ...OUTDOOR JOINTING KIT & confirming to the GTP. OUTDOOR ...120sqmm directions of the Engineer-In-charge of the work	Kit	1.00			0.00	10108.00	0.00	0.00	0.00
	...g and making 11KV (E) Extruded "X" linked for tubing & moulded & cross-linked ...ents using Heat Shrink Stress Control tube having High Permittivity XLPE ...inations- INDOOR JOINTING KIT & confirming to the GTP. INDOOR ...) 3Cx95/120sqmm directions of the Engineer-In-charge of the work	Kit	5.00			0.00	8373.00	0.00	0.00	0.00
237	LT CABLE END TERMINATION Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 25mm dia directions of the Engineer-In-charge of the work	Each	5.00			0.00	86.00	0.00	0.00	0.00
238	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)32mm dia directions of the Engineer-In-charge of the work	Each	5.00			0.00	122.00	0.00	0.00	0.00
239	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 50mm dia directions of the Engineer-In-charge of the work	Each	5.00			0.00	264.00	0.00	0.00	0.00
240	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 75mm dia directions of the Engineer-In-charge of the work	Each	5.00			0.00	513.00	0.00	0.00	0.00
241	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 16 sqmm directions of the Engineer-In-charge of the work	Each	40.00			0.00	11.31	0.00	0.00	0.00
242	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 25 sqmm Long Barrel directions of the Engineer-In-charge of the work	Each	20.00			0.00	20.59	0.00	0.00	0.00
243	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 70 sqmm Long Barrel directions of the Engineer-In-charge of the work	Each	10.00			0.00	98.28	0.00	0.00	0.00
244	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 120 sqmm Long Barrel directions of the Engineer-In-charge of the work	Each	10.00			0.00	196.56	0.00	0.00	0.00
245	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 185 sqmm Long Barrel directions of the Engineer-In-charge of the work	Each	10.00			0.00	338.52	0.00	0.00	0.00
246	CABLE TRAY Supplying and fixing 2mm thick perforated cable tray with powder coated paint on existing MS angle support using necessary GI bolts/nuts and washer or welding as required. 7.19.1) 150x50mm directions of the Engineer-In-charge of the work	m	50.00			0.00	440.00	0.00	0.00	0.00
247	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. In soil (hard) directions of the Engineer-In-charge of the work	m	20.00			0.00	106.00	0.00	0.00	0.00
248	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.C.C. cutting directions of the Engineer-In-charge of the work	m	10.00			0.00	212.00	0.00	0.00	0.00
249	G. MISCELLANEOUS ITEMS Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 7.12.2) 50mm directions of the Engineer-In-charge of the work	m	60.00			0.00	391.00	0.00	0.00	0.00
250	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 6.39.1) 40x40x6mm directions of the Engineer-In-charge of the work	m	10.00			0.00	263.00	0.00	0.00	0.00
251	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables.7.20.10) 160mm OD / 135mm ID directions of the Engineer-In-charge of the work	m	10.00			0.00	580.00	0.00	0.00	0.00

	Supplying heavy gauge PVC conduit pipe mm dia mm thick suitable size bends, metal/PVC junction boxes, adhesive paste concreting the slab. The conduit should be tied to the reinforcement wires and unused ways of junction boxes and pipe ends should be PVC end enclosures, run with 18SWG GI fish wire wherever necessary dia 2mm thick directions of the Engineer-In-charge of the work	m	100.00			0.00	43.00	0.00	0.00	0.00
253	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary25mm dia 2mm thick directions of the Engineer-In-charge of the work	m	60.00			0.00	57.00	0.00	0.00	0.00
254	Concealed Conduit System Supplying heavy gauge PVC conduit pipemm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2.5mm thick directions of the Engineer-In-charge of the work	m	50.00			0.00	90.00	0.00	0.00	0.00
255	Supplying and installation of ABC Kgs capacity Fire Extinguishers for multipurpose (Solid, Liquid, Gas, Electrical) a) 5 Kgs directions of the Engineer-In-charge of the work	Each	1.00			0.00	2085.00	0.00	0.00	0.00
256	Supplying and installation of Dry Chemical powder.Kg capacity Fire Extinguishers for multipurpose (DG, Electrical Panel) b) 5 Kgs directions of the Engineer-In-charge of the work	Each	1.00			0.00	1800.00	0.00	0.00	0.00
257	Supplying and installation of Mechanical Foam-9ltrs capacity Fire Extinguishers for multipurpose (DG, Electrical Panel) directions of the Engineer-In-charge of the work	Each	1.00			0.00	2600.00	0.00	0.00	0.00
258	Supplying and installing of CO2Kgs capacity Fire Extinguishers for multipurpose (Servers, Panels, Computers, etc.,) c) 4-5 Kgs directions of the Engineer-In-charge of the work directions of the Engineer-In-charge of the work	Each	1.00			0.00	4810.00	0.00	0.00	0.00
259	Supplying of Four Bucket stand along with Buckets directions of the Engineer-In-charge of the work	Each	2.00			0.00	1200.00	0.00	0.00	0.00
260	Supplying of Hand Gloves directions of the Engineer-In-charge of the work	Pair	6.00			0.00	170.00	0.00	0.00	0.00
261	Supplying and installation of RUBBER MAT 1mt x 2mt-100mm thick directions of the Engineer-In-charge of the work	Each	4.00			0.00	1105.00	0.00	0.00	0.00
262	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 7.4.10) 3.5 core 120 sqmm	m	100.00			0.00	556.80	0.00	0.00	0.00
263	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.8) 95 sqmm to 150Sqmm	m	100.00			0.00	42.40	0.00	0.00	0.00
264	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.2) In soil (hard)	m	85.00			0.00	106.00	0.00	0.00	0.00
265	Supply and installation of Acoustic insulation using 50mm thick with 24Kg Density glass wool with 24G aluminum perforated sheet complete.	Sqm	10.00			0.00	800.00	0.00	0.00	0.00
266	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.65mm	m	8.00			0.00	585.00	0.00	0.00	0.00
267	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 50mm	m	4.00			0.00	391.00	0.00	0.00	0.00

	...SYSTEM ...and wiring earth electrode for grounding of lifts, transformers, DG sets etc. ... dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size ... fixed on the top of the earth electrode. The funnel should be enclosed in a CC ... of 400x400x400mm with a cast iron cover. The earth electrode shall have ...ggered holes of 12mm dia and the electrode should be covered 150mm all-round with ...ernate layers of salt and charcoal from the bottom of the CC chamber. The connection ...m the electrode is to be established through GI strip using GI bolts and nuts.	Each	8.00			0.00	4317.00	0.00	0.00	0.00
269	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required. 25x3mm Copper strip	m	17.00			0.00	523.00	0.00	0.00	0.00
270	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required.25x6mm Copper strip	m	12.00			0.00	1018.00	0.00	0.00	0.00
271	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required. 25x3mm GI strip	m	20.00			0.00	77.00	0.00	0.00	0.00
272	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required.40x6mm GI strip	m	20.00			0.00	166.00	0.00	0.00	0.00
273	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire 8 SWG	m	35.00			0.00	19.50	0.00	0.00	0.00
	EIRL									
E-1	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) 300 to 350 m	Mtr	100.00			100.00	653.41	65340.91	100.00	65340.91
E-2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) 350 and above	Mtr	124.00			124.00	691.23	85712.15	124.00	85712.15
E-3	Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.	Cum	569.16			569.16	357.98	203750.69	569.16	203750.69
E-4	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification.	Cum	1338.30			1338.30	67.19	89921.73	1338.30	89921.73
E-5	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. PVC Pipes of 10kg./cm2 160 mm	Mtr	36.00			36.00	1053.65	37931.35	36.00	37931.35

...ering at site of work P.V.C. pipes including cost of pipes and specials and ...Lowering into trenches, laying true to line, level and perfect linking at joints ...ing jointing of approved type with all labour and lift charges, handling ...ing encasing the pipe alround to a depth not less than 15 cms with gravel or ...Earth available from the excavation etc. complete. PVC Pipes of 10kg./cm2 200	Mtr	12.00			12.00	1755.38	21064.57	12.00	21064.57
Grand Total							**21487932.30**		**21487932.30**

Rs: 2.14,87,860-00

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor hasremoved the debris from the work spot

3. Thereare no departmental issues for this work

Contractor Consultant Assistant Engineer Assistant Executive Engineer 24/1/2019